



Research Topics in Renewable Energy for 2020

Dosent / Lecturer: Prof JF Gorgens		Email: jgorgens@sun.ac.za		
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Fakulteit / Faculty: Engineering		Department / Department: Process Engineering		
Navorsingsarea / Area of Research: Bio-energy				
Algemene beskrywing van navorsingsveld / General description of research area: Conversion of plant biomass and organic wastes into fuels, chemicals, materials and electricity.				
Lys van onderwerpe/List of topics:		M.Eng. (Research)	Ph.D.	Funding
Waste-to-energy: Alternative routes for valorisation of organic wastes.		X	X	X
Production of biodiesel from animal tallow		X	X	X
Pulp mills as biorefineries: Integration of processes for co-production of chemicals, materials, fuels and electricity.		X	X	X
Spesifieke voorvereistes / Specific requirements: A Masters degree in the relevant scientific field of study is required to enrol for a PhD and an Honours degree in the relevant field is required to enrol for a Masters.				
Befondsing beskikbaar / Funding available: Yes				